

Phase II and Phase III Project Cover Sheet

All information contained within the individual site database and inventory sheets is solely the work of the researchers and authors noted below. The data provided has been culled from the original site reports noted below and in many cases has been lifted directly from them with little or no editing. The database and inventory sheets are meant to serve as a synopsis of the report findings and a finding aid and are not intended to replace or republish the research of the authors noted below.

REPORT INFORMATION:

1975 Orr, K.G. and R.G. Orr
Field Report on the Archaeological Situation at the Catoctin Furnace Stack 2 Casting Shed Site, Frederick County, Maryland.
Submitted to the Maryland Dept. of General Services and Maryland Geological Survey
Library ID No: 00006046 Catalog/Shelving ID: FR 87, 88

Research Firm/Institution:

Orr and Son, Consulting Archaeologists
Oxon Hill, MD 20021

Sites examined:

18FR29 18FR333

Project Details:

Phase I
Phase II ☒
Phase III

Project Justification:
The basic purpose of the excavation was to record and preserve the archeological features and artifacts which might be affected by the restoration of the casting shed.

Project Objectives:
-Determine the location and nature of the original floor of the casting shed.
-Carefully record and preserve significant features in/on the casting shed floor by sealing them under the restoration's new floor of clay and shale.
-Establish with greater certainty the levels of remaining construction in the area.
-Undertake an examination of footings for the restoration to reveal details for authentic reconstruction as well as possible artifacts for us in archeological interpretation and dating.

MAC Accession: 1981.024.013, 1981.024.014

Research Potential:

Site 18FR29 encompasses the area surrounding the main furnace area of Catoctin. The locale actually contains two sites within its boundaries; 18FR333 and 18FR334. Results of excavations at 18FR29 are discussed in the individual synopsis reports for 18FR333 and 18FR334 and assessments of remaining research potential are provided for these two sites rather than 18FR29 as a whole.

See below for remaining research questions at 18FR333.

REPORT INFORMATION:

1976 Orr, K.G. and R.G. Orr
Field Report on the Archaeological Investigations (FO4) of Areas of the Catoctin Furnace, Frederick, Maryland, Disturbed by 13 Temporary Shoring Cleats of the Retaining Wall.
Submitted to the Maryland Department of Natural Resources
Library ID No: 00006002 Catalog/Shelving ID: FR 44

Research Firm/Institution:

Orr and Son, Consulting Archaeologists
Oxon Hill, MD 20021

Sites examined:

18FR29 18FR334

Project Details:

Phase I
Phase II ☒
Phase III

Project Justification:
The basic purpose of the excavation was to assist in locating positions for cleat pits to support buttresses shoring up a historic retaining wall at the site.

Project Objectives:
-Locate positions for cleat bases which will least disturb the adjacent archeological remains.
-Recover and record whatever materials of an archeological nature are disturbed by the pits.

MAC Accession: 1981.024.013, 1981.024.014

Research Potential:

Site 18FR29 encompasses the area surrounding the main furnace area of Catoctin. The locale actually contains two sites within its boundaries; 18FR333 and 18FR334. Results of excavations at 18FR29 are discussed in the individual synopsis reports for 18FR333 and 18FR334 and assessments of remaining research potential are provided for these two sites rather than 18FR29 as a whole.

See below for remaining research questions at 18FR333.

See below for remaining research questions at 18FR334.

REPORT INFORMATION:

1977

Orr, K.G. and R.G. Orr
An Intensive Archaeological Survey of Alignment 1 Corridor, U.S. Route 15 from Putnam Road to Maryland Route 77 in Frederick County, Maryland (including Field Catalog FR 89).
Submitted to the Maryland State Highway Administration

Library ID No: 00005963 Catalog/Shelving ID: FR 17A, 89

Research Firm/Institution:

Orr and Son, Consulting Archaeologists
2221 Cowan Boulevard
Fredericksburg, VA 22401

Sites examined:

18FR320

18FR321

18FR322

18FR323

18FR324

18FR325

18FR326

18FR327

18FR328

Additional sites as listed above:
18FR330, 18FR331, 18FR332, Others

Project Details:

Phase I

☒

Phase II

Phase III

Project Justification:

Intensive archeological survey was conducted in the vicinity of the Catoctin Furnace along the proposed dualization route for the existing US Route 15 between Putnam Rd. and MD 77 at Thurmont.

Project Objectives:

-Determine the number, extent, and the cost/time factor involved in preserving or otherwise mitigating possible adverse impacts on historic resources that are or may be related to the Catoctin Furnace.

MAC Accession: 1981.023, 1981.024

Research Potential:

- See below for remaining research questions at 18FR320.
- See below for remaining research questions at 18FR321.
- See below for remaining research questions at 18FR322.
- See below for remaining research questions at 18FR323.
- See below for remaining research questions at 18FR324.
- See below for remaining research questions at 18FR325.
- See below for remaining research questions at 18FR326.
- See below for remaining research questions at 18FR327.
- See below for remaining research questions at 18FR328.
- See below for remaining research questions at 18FR330.
- See below for remaining research questions at 18FR331.
- See below for remaining research questions at 18FR332.

REPORT INFORMATION:

1980

Orr, K.G.
Interim Report of the Catoctin Furnace Archaeological Mitigation Project.

Submitted to the Maryland State Highway Administration

Library ID No: 00005972 Catalog/Shelving ID: FR 23B

Research Firm/Institution:

Orr and Son, Consulting Archaeologists
Apt. 303 Landover House, 3201 Landover Street
Alexandria, VA 22305

Sites examined:

18FR323

18FR324

18FR325

18FR326

18FR327

18FR328

18FR330

18FR331

18FR332

Additional sites as listed above:
18FR320, 18FR321, 18FR322, Others

Project Details:

Phase I		Project Justification: The nature of the adverse effect on archeological sites in the vicinity of the Catocin Furnace along the proposed dualization route for the existing US Route 15 between Putnam Rd. and MD 77 at Thurmont, was determined in the 1977 intensive survey. This document constitutes an interim report on the mitigation efforts planned or undertaken once resources had been identified.	Project Objectives: -Determine the extent to which the 1979 excavations satisfied the mitigation requirements of the project. -Define and propose additional mitigation activities as required for the project.
Phase II	<input checked="" type="checkbox"/>		
Phase III	<input checked="" type="checkbox"/>		

MAC Accession: 1981.023, 1981.024

Research Potential:

- See below for remaining research questions at 18FR320.
- See below for remaining research questions at 18FR321.
- See below for remaining research questions at 18FR322.
- See below for remaining research questions at 18FR323.
- See below for remaining research questions at 18FR324.
- See below for remaining research questions at 18FR325.
- See below for remaining research questions at 18FR326.
- See below for remaining research questions at 18FR327.
- See below for remaining research questions at 18FR328.
- See below for remaining research questions at 18FR330.
- See below for remaining research questions at 18FR331.
- See below for remaining research questions at 18FR332.

REPORT INFORMATION:

1982 Orr, K.G.
 The Catocin Furnace Archaeological Mitigation Project: Final Report of the 1979 Excavation.

Submitted to the Maryland State Highway Administration

Library ID No: 00005973 Catalog/Shelving ID: FR 23C

Research Firm/Institution:
 Orr and Son, Consulting Archaeologists
 Apt. 303 Landover House, 3201 Landover Street
 Alexandria, VA 22305

Sites examined:

18FR323	18FR324	18FR325	18FR326	18FR327	18FR328	18FR330
18FR331	18FR332	Additional sites as listed above: 18FR320, 18FR321, 18FR322, Others				

Project Details:

Phase I		Project Justification: The nature of the adverse effect on archeological sites in the vicinity of the Catocin Furnace along the proposed dualization route for the existing US Route 15 between Putnam Rd. and MD 77 at Thurmont, was determined in the 1977 intensive survey. This document constitutes the final report on the mitigation efforts undertaken once resources had been identified.	Project Objectives: -Complete the archeological survey to identify all cultural and historical aspects of the project area. -Relocate graves situated within the existing highway corridor. -Design a monitoring program to assess the effect of site excavation and burial on sites within the project area. -Outline plans for the conservation, storage, and disposition of all artifacts retrieved from the sites within the project area.
Phase II	<input checked="" type="checkbox"/>		
Phase III	<input checked="" type="checkbox"/>		

MAC Accession: 1981.023, 1981.024

Research Potential:

- See below for remaining research questions at 18FR320.
- See below for remaining research questions at 18FR321.
- Based on the results of Phase II work and the impact to the site brought on by the dualization of the highway, Site 18FR322 is not considered to have any enduring research potential.
- See below for remaining research questions at 18FR323.
- See below for remaining research questions at 18FR324.
- Site 18FR325 has no additional research potential.

Site 18FR326 has no additional research potential.

Site 18FR327 was destroyed by the dualization of US Route 15 and, thus, has no remaining research potential.

Research at 18FR328 revealed information useful in interpreting the process of early mining and charcoal consumption at Catoctin Iron Furnace. Much of the site has been destroyed or altered by the dualization of US Route 15. However some portions remain (Feature 3) and may have additional research potential.

Excavations at Site 18FR330 reveal that the entire area has been extensively modified and that the site topography is due largely to mining operations. No significant intact artifact deposits appeared to be present in the area tested prior to US Route 15 dualization, but areas just to the northwest, closer to the actual Kunkel Ore mine may have additional research potential.

Site 18FR331 revealed evidence which is extremely helpful in interpreting the activities at Catoctin Furnace. It reveals several stages in the evolution of the hydraulic systems that powered the furnaces and other industrial structures in the area. Unfortunately, many questions remain. Interpretation would certainly be improved through additional excavation at the northeast edge of the site in the area of Feature 1. Determining if this is the remains of the 1774 furnace built by the Johnsons remains the most significant research question concerning the area's history. Additional work outside the site boundaries, in the area east of 18FR320 would also probably be necessary to adequately address this issue.

No artifacts other than quarried limestone rubble were recovered from the quarry at 18FR332. Excavation was not undertaken in the vicinity of the associated kiln due to its burial under the highway shoulder. Thus, any remaining research potential at 18FR332 is in the kiln area, which has likely been heavily disturbed (and is now covered by additional road fill). As such limekilns are well represented elsewhere, the site's research potential should be considered largely exhausted.

REPORT INFORMATION:

1981 Burnston, S.A. and R.A. Thomas
Archaeological Data Recovery at Catoctin Furnace Cemetery, Frederick County, Maryland.
Submitted to Orr and Son Consulting Archaeologists & Maryland SHA
Library ID No: 00005974 Catalog/Shelving ID: FR 24

Research Firm/Institution:

Mid-Atlantic Archaeological Research, Inc.
P.O. Box 676
Newark, DE 19711

Sites examined:

18FR323

Project Details:

Phase I		Project Justification:
Phase II	<input checked="" type="checkbox"/>	The site was first identified during Phase I/II work in 1977, prior to the dualization of US Route 15. As Maryland state law mandates the removal of all human remains prior to any development project, Phase III data recovery was required.
Phase III	<input checked="" type="checkbox"/>	

MAC Accession: 1981.023, 1981.024

Project Objectives:
-Conduct complete data recovery in the western portion of the site; the area within ROW for the US Route 15 dualization project.

Research Potential:

See below for remaining research questions at 18FR323.

REPORT INFORMATION:

1982 Parrington, M. and H. Schenck
A Report on the Ancillary Area (Site 18FR320) of the Historic Ironworking Complex at Catoctin Furnace, Frederick County, Maryland.
Submitted to the Maryland State Highway Administration
Library ID No: 00005976 Catalog/Shelving ID: FR 25B

Research Firm/Institution:

John Milner Associates, Inc.
309 North Matlack Street
West Chester, PA 19380

Sites examined:

18FR320

Project Details:

Phase I		Project Justification:
Phase II	<input checked="" type="checkbox"/>	The site at 18FR320, Catoctin Furnace, Maryland was initially identified during a Phase I survey carried out in 1977 in advance of the dualization of US Route 15. These excavations were conducted in 1979 and 1981 in order to mitigate expected adverse effects by recovering significant data contained within the site.
Phase III	<input checked="" type="checkbox"/>	

MAC Accession: 1981.024.001, 1999.010

Project Objectives:
-Determine with greater accuracy the horizontal extent of historic ironworking features and deposits.
-Determine additional details of ironworking technology as practiced at Site 18FR320.
-Determine the relative chronology of features and deposits.
-Determine the function of structural features exposed during

Research Potential:

See below for remaining research questions at 18FR320.

REPORT INFORMATION:

1989 Neumann, T.W.
Phase I Intensive Archeological Investigation of Catoctin Furnace (18FR29), Cunningham Falls State Park, Frederick County, Maryland.
Submitted to the Maryland Department of General Services

Library ID No: 00006001 Catalog/Shelving ID: FR 43

Research Firm/Institution:

R. Christopher Goodwin & Associates, Inc.
636A Solarex Court
Frederick, MD 21701

Sites examined:

18FR29 18FR333 18FR334 Others

Project Details:

Phase I ☒ Project Justification:
Phase II Impending Highway alterations necessitated identification of
archeological resources in the area.
Phase III

Project Objectives:
-Locate and identify archeological resources in the vicinity of
Catoctin Furnace.

MAC Accession: 1991.007

Research Potential:

Site 18FR29 encompasses the area surrounding the main furnace area of Catoctin. The locale actually contains two sites within its boundaries; 18FR333 and 18FR334. Results of excavations at 18FR29 are discussed in the individual synopsis reports for 18FR333 and 18FR334 and assessments of remaining research potential are provided for these two sites rather than 18FR29 as a whole.

Site 18FR333's most significant component is the mid 19th century iron furnace and casting house. Data obtained during these excavations were used in the repair of the furnace and reconstruction of the casting house for interpretation. Other significant components include the waterwheel house and probable location of bellows for Isabella and the 1787 Stack. One promising avenue for future research at 18FR333 is an examination of the area just north of the Isabella stack. It is believed that the base of the 1787 Stack may be buried here beneath rubble from the old retaining wall.

Site 18FR334's most significant component is the engine house remains, which could someday aide in interpretive features or even reconstruction at the site. As little work was conducted at the site outside the actual footprints of the retaining wall cleats, the additional research potential of Site 18FR334 is unknown.

REPORT INFORMATION:

2007 King, J.A., E. Chaney, and Raftery, S.
Archaeological Collections in Maryland.
Submitted to NEH, MHT, SHA, and the ACNATSCI Estuarine Research Center
Library ID No: JPPM-NEH Catalog/Shelving ID: web

Research Firm/Institution:

Jefferson Patterson Park and Museum
10115 Mackall Road
St. Leonard, MD 20685

Sites examined:

18FR320 18FR321 18FR323 18FR324 Others

Project Details:

Project Justification:
This project is a web-based approach to making descriptions of the archeological collections at the Maryland Archaeological Conservation Lab in St. Leonard, MD available to scholars, museum curators, educators, students, and the interested public. Detailed descriptions of collections and even limited access to original field notes, maps, accession records, and images is afforded via an online database published on the Jefferson Patterson Park and Museum's web page.

Project Objectives:
-Introduce the general public to some of the important
archaeological collections curated at the MAC Lab.

MAC Accession: 1981.023.003, 1981.024.002

Research Potential:

While Site 18FR320 has itself largely been exhausted of its research potential, areas directly to the east warrant examination. Much of this area has been altered by road construction. However, much of the alteration was likely the addition of historic fills that may have buried and sealed the site. Testing should be undertaken if an opportunity presents itself to determine if A) evidence of the early (1774) furnace can be obtained and B) if the conjectured early-mid 19th century finery forge, foundry, or combined forge and foundry are located in this area to the east of 18FR320.

The bathhouse portion of Site 18FR321, presumably retains some degree of archeological integrity if the plans proposed for sealing the site in sand and monitoring of it below the road bed were followed. The potential for investigations would, however, be contingent upon some future removal of a significant highway. The center of the Feature 1 floor remains unexcavated and this seems like the natural place to start should any such opportunity present itself.

The remaining burials at Site 18FR323 were left unexcavated as they were outside the highway project right-of-way. These burials should remain undisturbed, but should be monitored in case future work impinges on the site.

Site 18FR324 was preserved in place, and as the stone foundations are just beyond the US 15 right-of-way, the site may retain some additional research potential and would apparently be available to researchers wishing to explore the daily life of miners at Catoctin in the 19th and early 20th centuries.
